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NATIONAL LIBRARY OF MEDICINE NEWS

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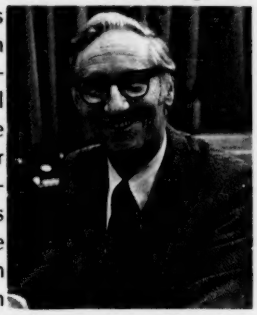
Planning Office Established

NLM Director Martin M. Cummings, M.D., has appointed Davis B. McCarn to head a new office to direct planning activities of the Library. In announcing the appointment, Dr. Cummings explained, "As NLM's responsibilities in research and development in biomedical communications have expanded, the need for a more cohesive planning process has become evident." The new office will establish and maintain liaison with NIH and other Federal agencies, with scientific organizations, professional groups, and others in the private sector, as well as with the senior staff of the Library. The purpose will be to promote the exchange of information and ideas which will benefit the NLM planning activity.



Mr. McCarn, who has been with the Library for nearly ten years, was previously Deputy Director of the Lister Hill National Center for Biomedical Communications, and since 1972, had directed the Office of Computer and Communications Systems.

Bicentennial Essays Published

The National Library of Medicine has published three essays prepared and delivered on the occasion of the special Colloquium on the Bicentennial of Medicine in the United States, May 6-7, 1976 (*News*, June 1976). Single copies of the monograph, titled *Epilogue: Essays at the Bicentennial of Medicine in the United States*, are available on request (see below).

The first essay in the collection is by Dr. John B. Blake, Chief of the Library's History of Medicine Division. It was presented as the historical synthesis of a series of papers given at the Colloquium and published in *Advances in American Medicine: Essays at the Bicentennial* by the Josiah Macy, Jr. Foundation in cooperation with the NLM. (This two-volume work is available for $25 from the Independent Publishers Group, 60 East 55th Street, New York, New York 10022.)

The second essay, by Dr. William N. Hubbard, Jr., former chairman of the NLM Board of Regents, is titled "The Utilization of Scientific Knowledge—the Role of a Medical Library," and was delivered as the after-dinner address on May 6.

The third essay, "Quo Vadis, U.S. Medicine?", was presented as the closing address of the Colloquium by Dr. Philip Handler, President of the National Academy of Sciences.

Requests for copies of the *Epilogue* should be accompanied by a self-addressed mailing label and sent to: Office of Inquiries, Attn: Epilogue, National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20014.

Special Assistant to LHC Director

Lionel M. Bernstein, M.D., Ph.D., has been appointed Special Assistant to the Director of the Lister Hill National Center for Biomedical Communications. Before accepting his position with the Library, he was Special Assistant to the Assistant Secretary for Health, DHEW.

Dr. Bernstein is coordinating a Lister Hill Center study on how practicing physicians receive information relevant to the clinical problems they face. Ultimately, it may be possible

NATIONAL LIBRARY OF MEDICINE
NEWS

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to validate, analyze, and synthesize clinically relevant information, store it in computerized data banks, update it regularly, and make it quickly and conveniently available to physicians.

Dr. Bernstein received his M.D. degree from the University of Illinois College of Medicine in 1945 and his Ph.D. in 1954 from the University of Illinois Graduate College. His experience includes directing research services for the Veterans Administration's Central Office (1966-70), and directing Extramural Programs (1970-72) and the Digestive Diseases and Nutrition Program (1972-73) for NIH's National Institute of Arthritis, Metabolism, and Digestive Diseases. Dr. Bernstein's medical specialty is Internal Medicine and he has authored and co-authored numerous articles.

NLM Scholar in Residence Dies

Fred L. Soper, M.D., Director Emeritus of the Pan American Health Organization, whose contributions to public health and preventive medicine are internationally known, died February 9th. He had been a Scholar in Residence at the National Library of Medicine from 1972 until he moved to Wichita, Kansas, last fall.

Dr. Soper, who received his medical degree from Rush Medical College of the University of Chicago and acquired a Doctor of Public Health degree from the Johns Hopkins University, joined the International Health Division of the Rockefeller Foundation in 1920. After combating hookworm disease in Brazil and Paraguay, Dr. Soper was assigned to direct the Foundation's activities in Brazil and other South American countries. In 1935 he introduced the term "Jungle Yellow Fever" for the infection acquired in forest contacts from mosquitos other than the traditional vector, *Aëdes aegypti*, and under his supervision over one million people were vaccinated against the disease. From 1943 to 1946 he headed typhus and malaria control projects in Egypt, Algeria, and Italy. Dr. Soper was elected director of the Pan American Sanitary Bureau (which became the Pan American Health Organization) in 1947 and he served in that position until his retirement in 1959. Dr. Soper was the recipient of numerous awards, honorary degrees, and foreign decorations. Selections from his papers were published in 1970 in the book, *Building the Health Bridge*.

Dr. Soper's private papers have been donated to the National Library of Medicine and will be available for scholarly research.

NLM Cataloger Dies

Mr. William A. Togashi, a cataloger in NLM's Technical Services Division for nearly 20 years, died of a heart attack on January 15th.

In addition to his dedicated work as a cataloger of Japanese and English works, Mr. Togashi engaged in a great number of voluntary activities. He played host to important Japanese visitors to Washington and NLM, assisted a number of authors in their research for books on Hiroshima and Nagasaki, and played an active role in Japanese-American participation in the Smithsonian Institution's Folk Life Festival. He served on a number of Quaker committees related to peace and to providing aid for survivors of the Hiroshima and Nagasaki bombings.

Mr. Togashi was a member of the Board of Advisors for the Wilmington College Peace Resource Center (Wilmington, Ohio). The Center has established a memorial fund in his honor.

Highlights in Medicolegal Relations

A new publication titled *Highlights in Medicolegal Relations* is now available for $5.30 from the Government Printing Office. The work was compiled by Jaroslav Nemec, Jur.D., before his retirement last year from the Library's Reference Section. An outstanding scholar in the field, Dr. Nemec's previous work, *International Bibliography of the History of Legal Medicine* (1974, $5.50) is also available from GPO.

From the Preface, by T.K. Marshall, Professor of Forensic Medicine, Queen's University, Belfast, and Past President of the International Association of Forensic Sciences: "Within the covers of this book are the important events and publications in the medicolegal calendar extending chronologically from ancient times to the present day. The entries form a valuable source of reference, briefly but accurately detailed, and they have a remarkably readable quality. Let the reader go methodically through a few pages and as he skips by the milestones he will absorb in a short space of time the medicolegal climate of the age, be it a concern for legal codes or witchcraft and insanity or the teaching of forensic medicine. . . . *Highlights* will become an essential handbook for all who are concerned with the history of legal medicine. May it also find a place in the book shelves of many other forensic practitioners whose passing interest in history might generate a deeper knowledge."

Orders with remittance ($5.30 domestic, $6.65 foreign) should be sent to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Include stock number S/N 017-052-00170-1.

The following statistics are highlights from *National Library of Medicine Programs and Services, Fiscal Year 1976*—the Library's annual report now in press. Availability of the report will be announced in a forthcoming issue of the *News*.

Collection	
Monographs	
Before 1871	79,625
1871-present	353,198
Theses	281,295
Pamphlets	172,021
Bound serial volumes	510,785
Microforms	30,158
Audiovisuals (excluding NMAC)	3,291
Pictures	71,600
Manuscripts	743,100
Serial Titles received	18,086
Items cataloged	15,044
Articles indexed for MEDLARS	255,000
Circulation requests filled	301,965
For interlibrary loan	205,695
For readers	96,270
Reference requests	32,334
Online searches (all data bases)	578,600

NMAC Self-Instructional Manuals

The following manuals, part of a series of self-instructional units sponsored by NLM's National Medical Audiovisual Center, are available from the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161:

• *Structure of the U.S. Health Care System* (PB-262-156; hard copy: $4.00, microfiche: $3.00) is a self-instructional manual designed by Carlos Vallbona, M.D. and Norma R. Cobb, M.Ed. of Baylor College of Medicine's Department of Community Medicine in Houston. The manual describes the health care system of the U.S., identifies its components, and points out strengths and weaknesses of the system.

• *The Nuva-System for Restoring Fractured Permanent Anterior Teeth* (PB-262-213; hard copy and microfiche price: $6.25) was prepared by Jay A. Gershen, D.D.S., Ph.D., of U.C.L.A.'s School of Dentistry. Using this manual, the student progresses through a series of illustrated steps, while evaluating his own performance via criteria checks

NLM Serial Gap List

The following journal issues are this month's continuation to the list of gaps in the Library's collection. If you can supply any of these items, please address them to:

National Library of Medicine
TSD-GAPS
8600 Rockville Pike
Bethesda, MD 20014

Aesculapius 16:5, 1968; 17:1,4, 1969; 19:4,6, 1971
Agua 72, 74, 75, 1972
Akrualnye Voprosy Epidemiologii 1, 1967; 1968; 1969; 1970; 1971; 1972
Annali Ravasini 59:9, 1976
Archives Medicales de Normandie 1, 1976
Arztliche Praxis im Bild 7:3,4, 1963
Asociacion Venezolana de Facultades (Escuelas) de Medicina Publicacion 1968, 1969, 1970, 1971, 1972, 1973, 1974
Boletin Informativo Hispanoamericano de Historia de la Medicina 10, 1969; 1970, 1971, 1972, 1973, 1974, 1975
Catalogue des Films de la Cinematheque France 1970, 1971, 1972, 1973, 1974
Die Deutsche Presse 1961
Entretiens de Bichat. Chirurgie-Specialites 1946, 1947, 1953, 1965, 1969
Huisarts en Wetenschap 18:7, 1975
Irish Medical Journal 69:7, 1976
La Medecine Praticienne 434, 435, 1971
Trauma; Medicine, Anatomy and Surgery 16:6, 1975; 17:1,2,3, 1976

NLM Publication Grant Program

The Library's Publication Grant Program provides limited financial support for the preparation and/or publication of biomedical works. Projects which require large-scale or long-term support (beyond a maximum of three years) are not appropriate for the program. Also, support is not provided for the publication of textbooks or other commercially viable products, curriculum materials, initial reporting of research findings, proceedings of meetings, or materials that would have only local interest.

Some recent publications resulting from NLM support under provisions of the Medical Library Assistance Act are listed below. (This list updates one appearing in the March 1976 issue of the *News.) Note:* The National Library of Medicine does not distribute any of these publications; all correspondence regarding their distribution must be directed to the publishers.

Allen, Virginia R. "Agency Physicians to the Southern Plains Indians, 1868-1900," *Bulletin of the History of Medicine*, Vol. 49, No. 3, Fall 1975, pp. 318-30.

____. "Pioneer Surgery at Anadarko," *Bulletin of the Oklahoma County Medical Society*, 1976.

Arctic Bibliography. Arctic Institute of North America. Montreal: McGill-Queen's University Press. Vol. 16, 1975.

Beale, Helen Purdy. *Bibliography of Plant Viruses*. New York: Columbia University Press. 1976. 1495 pp.

Bibliographia Neuroendocrinologica, Vol. 11, Nos. 2-4, 1974; Vol. 12, Nos. 1-4, 1975; Vol. 13,

No. 1, 1975. (Compiled and edited by M. Weitzman, Albert Einstein College of Medicine, Bronx, N.Y.).

Breeden, James O. "States-Rights Medicine in the Old South," *Bulletin of the New York Academy of Medicine*, Volume 52, Number 3, March-April 1976, pp. 348-372.

Brown, A.W.A., Haworth, J., and Zahar, A.R. "Malaria Eradication and Control from a Global Standpoint," *Journal of Medical Entomology*, Vol. 13, No. 1, pp. 1-25.

Burgdorfer, Willy. "A Review of Rocky Mountain Spotted Fever (Tick-Borne Typhus), Its Agent, and Its Tick Vectors in the United States," *Journal of Medical Entomology*, Vol. 12, No. 3, September 25, 1975. pp. 269-278.

Burnham, John C "The Growth of Scientific Medicine," In: *Issues and Ideas in America*, edited by Benjamin J. Taylor and Thurman J. White. University of Oklahoma Press, Norman, Oklahoma, 1976, pp. 301-307.

Carlson, Eric T. "Cannabis Indica in 19th Century Psychiatry," *American Journal of Psychiatry*, Vol. 131, No. 9, September, 1974. pp. 1004-1007.

Chamberlain, W.F. "Insect Growth Regulating Agents for Control of Arthropods of Medical and Veterinary Importance," *Journal of Medical Entomology*, Vol. 12, No. 4, October 31, 1975, pp. 395-400.

Dols, Michael W. *The Black Death in the Middle East*. Princeton, New Jersey: Princeton University Press, 1977. 390 pp.

Forbes, Thomas R. "Malpractice and Manslaughter. The Case of Edwin Martin Van Butchell," *Connecticut Medicine*, Vol. 40, No. 5, May 1976. pp. 323-325.

____. "The Madstone," *American Folk Medicine: A Symposium*. Berkeley, California: University of California Press, 1976. pp. 11-19.

____. "Death of a Chairman: A New William Hunter Manuscript." *The Yale Journal of Biology and Medicine*, Volume 49, 1976. pp. 169-173.

____. "By What Disease or Casualty: The Changing Face of Death in London," *Journal of the History of Medicine and Allied Sciences*, Volume XXXI, Number 4, October 1976. pp. 395-420.

____. "The Barber Surgeons Help the Sick Poor," *Journal of the History of Medicine and Allied Sciences*, Volume XXXI, Number 4, October 1976. pp. 461-462.

Greenbaum, Louis S. "Scientists and Politicians: Hospital Reform in Paris on the Eve of the French Revolution," *The Consortium on Revolutionary Europe, 1750-1850. Proceedings 1973*. (Gainesville: University of Florida Press, 1975), pp. 168-191.

____. "Hospitals, Scientists and Clergy in 18th Century France," *Episteme*, No. 1, January/March, 1975. pp. 51-62.

Grob, Gerald N. "Edward Jarvis and the Federal Census: A Chapter in the History of Nineteenth Century American Medicine," *Bulletin of the History of Medicine*, Vol. 50, 1976, pp. 4-27.

To be continued

Publications Notes

List of Journals Indexed

The *1977 List of Journals Indexed in Index Medicus* may now be ordered from the Superintendent of Documents. This year's volume—in addition to the usual abbreviation, full title, subject and geographic listings of *Index Medicus* journals—will include sections listing dentistry, nursing, and reproduction journals which are indexed for MEDLINE but not *Index Medicus*. Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Price: $2.70 ($3.40 foreign). Stock number S/N 017-052-00177-9.

Notes for Medical Catalogers

The latest issue of *Notes for Medical Catalogers*, No. 16, January 1977, is now available from the Medical Library Association. *Notes*, issued irregularly, provides updates and changes to NLM's classification system, including new headings and classification numbers. Orders accompanied by $3.00 prepayment should be sent to the Medical Library Association, Suite 3208, 919 North Michigan Avenue, Chicago, Illinois 60611. (Single copies have been sent to all MLA institutional members.)

NATIONAL LIBRARY OF MEDICINE

fact*sheet

Bethesda, Maryland 20014 March 1977

TOXICOLOGY INFORMATION PROGRAM

The Toxicology Information Program (TIP) was established as a result of recommendations made in 1966 by a Presidential Science Advisory Committee panel report on the "Handling of Toxicological Information." TIP was established in 1967 at the National Library of Medicine. General objectives of the Program are: (1) to create computer-based toxicology data banks from the scientific literature and from the files of collaborating industrial, academic, and governmental agencies; and (2) to establish toxicology information services for the scientific community.

Toxicology information services are presently being implemented in three ways: query response, publications, and through various on-line information retrieval services. For the first of these, TIP has established the Toxicology Information Response Center (TIRC) at the Oak Ridge National Laboratory. Literature searches are performed there for a service fee of $25/hour. Search requests should be addressed directly to: Director, TIRC, Oak Ridge National Laboratory, P.O. Box X, Oak Ridge, TN 37830. TIRC also prepares special annotated bibliographies (sold through the National Technical Information Service) and state-of-the-art reviews written by experts on topics of current interest.

In the area of publications, TIP has sponsored or created a number of journals and monographs. Among these are *Toxicity Bibliography,* a quarterly publication containing bibliographic references with MeSH (Medical Subject Headings) terms, derived from the MEDLARS data base (annual subscription from the Superintendent of Documents, Washington, D.C. 20402, $32.50 domestic, $40.65 foreign); *Abstracts on Health Effects of Environmental Pollutants* (HEEP), a monthly abstract journal, supported by a machine-readable data base, was initiated in cooperation with Bio-Sciences Information Service of Biological Abstracts and is now published by them; *A Directory of Information Resources in the United States: General Toxicology,* prepared in 1968 with the National Referral Center, Library of Congress; and *Drug Interactions—An Annotated Bibliography with Selected Excerpts,* Volume I (1967-1970) and II (1970-1971).

Computerized Services

TIP also provides toxicology information to users via an on-line, interactive retrieval service. The service, called TOXLINE, is an information retrieval tool for the areas of environmental pollution, occupational health and safety, pharmacology, toxicology, medicine, and related biosciences. The service is accessible via terminals, through a national telephone-based communications network that connects users to the computer at the NLM.

TOXLINE contains 400,000 bibliographic citations, with abstracts and index terms, referencing the scientific literature from 1971 to present. Pre-1971 information is in a backfile called TOX-

BACK which contains more than 200,000 records available through off-line searches. These files include citations with MeSH terms from *Toxicity Bibliography* (1968-present); abstracts from *Pesticides Abstracts* (1966-present), *Chemical-Biological Activities* (1965-present), *International Pharmaceutical Abstracts* (1970-present), and citations and keywords from the Environmental Mutagen Information Center File (1968-present) and from the Toxic Materials Information Center File (1971-present).

Another service, CHEMLINE, is a chemical dictionary file that allows more than 330,000 chemical substance names representing some 200,000 unique substances to be searched and retrieved on-line. CHEMLINE is derived primarily from the registry files of the Chemical Abstracts Service (CAS) and contains in on-line searchable form: CAS Registry Numbers, molecular formulae, preferred chemical nomenclature, generic and trivial names, and locator designations which point to other files in the NLM system containing information on a given chemical substance. Some records also contain MeSH terms, Wiswesser Line Notations, and ring structure information. The system allows for on-line, sub-structure searching and serves as an aid file for TOXLINE, MEDLINE, and CANCERLINE users.

The fee for using TOXLINE or CHEMLINE is $15/hour of connect time between 10:00 a.m. and 5:00 p.m., EST, and $8/hour at all other times. There is a charge of 10 cents per page of off-line printout.

Collaborative Projects

In addition, TIP is building a number of data banks, either independently or in collaboration with other organizations. One example is the Toxicology Data Bank (TDB), an on- line, interactive data retrieval service. The TDB contains evaluated data on selected chemicals to which humans are exposed and which present actual or potential health hazards. Collected data include chemical and physical properties and analytical methods; animal and human toxicology; production, uses, and shipment methods; environmental hazards; and explosive and fire potential.

Under the sponsorship of the Toxicology Information Subcommittee of the DHEW Committee to Coordinate Toxicology and Related Programs, TIP carries out certain toxicology information activities. A number of products and services resulting from Subcommittee-sponsored projects are available via TIP. These are: (1) TOXTIPS (Toxicology Testing-in-Progress), a monthly current awareness bulletin that provides information on long-term toxicity testing. Information about proposed and on-going tests is submitted to TIP voluntarily by industry, academia, and government agencies. (2) *Toxicology Research Projects Directory,* a quarterly publication available on subscription from the National Technical Information Service. Each year the Directory contains reports of some 10,000 ongoing research projects in toxicology extracted from the files of the Smithsonian Science Information Exchange. (3) Laboratory Animal Data Bank (LADB), an on-line, interactive data retrieval and manipulation service that will allow biomedical scientists, breeders, and other managers of laboratory animal research to retrieve and analyze baseline data obtained from selected strains of laboratory control animals.

Inquiries about the Toxicology Information Program or any of its products and services should be addressed to: Associate Director, Specialized Information Services, National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20014. Telephone: (301) 496-3147.

New Literature Searches

Two new searches of the MEDLINE data base have been published as Literature Searches—the Library's series of bibliographies on current health-related subjects. A complete list of Literature Searches appears in each issue of *Index Medicus* and *Abridged Index Medicus*. When requesting Literature Searches (available without charge), please include title and number, enclose a self-addressed gummed label, and mail to (note new address):

Literature Search Program
MEDLARS Management Section
National Library of Medicine
8600 Rockville Pike
Bethesda, Maryland 20014

LS 76-38 *Neonatal drug addiction.* January 1974 through November 1976. 83 citations.

LS 76-39 *Untoward effects of talc.* January 1974 through November 1976. 33 citations.